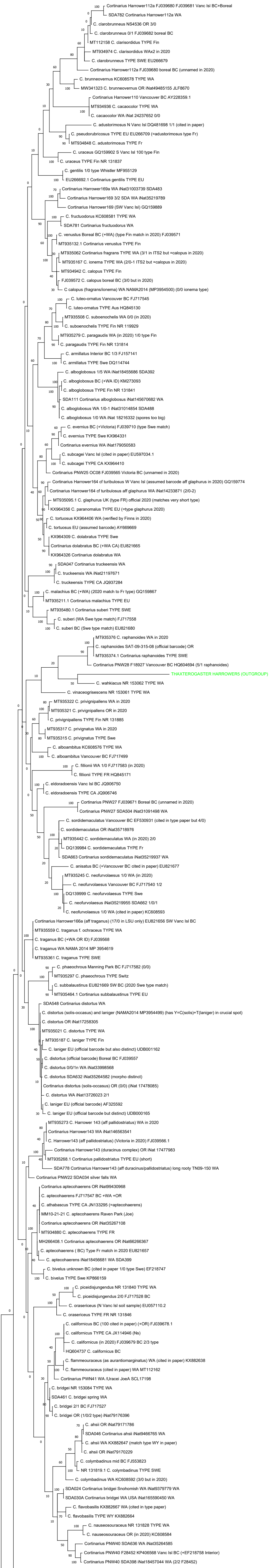
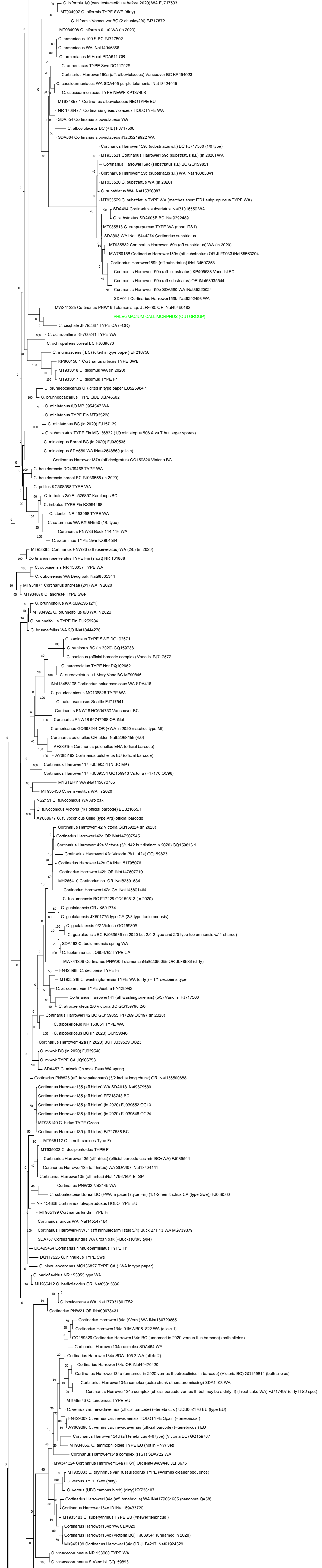
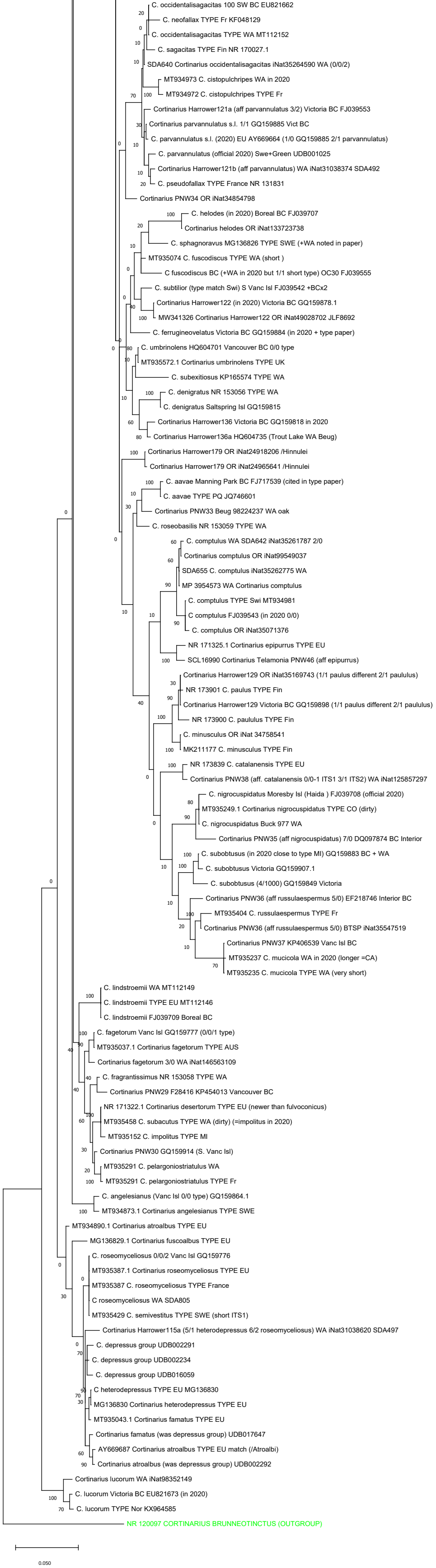

Cortinarius Harrower112a FJ039680 FJ039681 Vanc Isl BC+Boreal
SDA782 Cortinarius Harrower112a WA
C. clarobrunneus NS4536 OR 3/0
C. clarobrunneus 0/1 FJ039682 boreal BC
MT112158 C. clarisordidus TYPE Fin
MT934974 C. clarisordidus WAx2 in 2020
C. clarobrunneus TYPE SWE EU266679
Cortinarius Harrower112a FJ039680 boreal BC (unnamed in 2020)
C. brunneovernus KC608578 TYPE WA
MW341323 C. brunneovernus OR iNat49485155 JLF8670
Cortinarius Harrower110 Vancouver BC AY228359.1
MT934936 C. cacaocolor TYPE WA
C. cacaocolor WA iNat 24237652 0/0
C. adustorimosus N Vanc Isl DQ481698 1/1 (cited in paper)
C. pseudorubricosus TYPE EU EU266709 (=adustorimosus type Fr)
MT934848 C. adustorimosus TYPE Fr
C. uraceus GQ159902 S Vanc Isl 100 type Fin
C. uraceus TYPE Fin NR 131837
C. gentilis 1/0 type Whistler MF955129
EU266692.1 Cortinarius gentilis TYPE EU
Cortinarius Harrower169a WA iNat31003739 SDA483
Cortinarius Harrower169 3/2 SDA WA iNat35219789
Cortinarius Harrower169 (SW Vanc Isl) GQ159889
C. fructuodorus KC608581 TYPE WA
SDA781 Cortinarius fructuodorus WA
C. venustus Boreal BC (+WA) (type Fin match in 2020) FJ039571
MT935132.1 Cortinarius venustus TYPE Fin
MT935062 Cortinarius fragrans TYPE WA (3/1 in ITS2 but =calopus in 2020)
MT935167 C. ionema TYPE WA (2/0-1 ITS2 but =calopus in 2020)
MT934942 C. calopus TYPE Fin
FJ039572 C. calopus boreal BC (3/0 but in 2020)
C calopus (fragrans/ionema) WA NAMA2014 (MP3954500) (0/0 ionema type)
C. luteo-ornatus Vancouver BC FJ717545
C. luteo-ornatus TYPE Aus HQ845130
MT935508 C. suboenochelis WA 0/0 (in 2020)
C. suboenochelis TYPE Fin NR 119929
MT935279 C. paragaudis WA (in 2020) 1/0 type Fin
C. paragaudis TYPE Fin NR 131814
C. armillatus Interior BC 1/3 FJ157141
C. armillatus TYPE Swe DQ114744
C. alboglobosus 1/5 WA iNat18455686 SDA392
C. alboglobosus BC (+WA ID) KM273093
C. alboglobosus TYPE Fin NR 131841
SDA111 Cortinarius alboglobosus iNat145670682 WA
C. alboglobosus WA 1/0-1 iNat31014854 SDA488
C. alboglobosus 1/0 WA iNat 18216332 (spores too big)
C. evernius BC (+Victoria) FJ039710 (type Swe match)
C. evernius TYPE Swe KX964331
Cortinarius evernius WA iNat179050583
C. subcagei Vanc Isl (cited in paper) EU597034.1
C. subcagei TYPE CA KX964410
Cortinarius PNW25 OC08 FJ039565 Victoria BC (unnamed in 2020)
Cortinarius Harrower164 cf turibulosus W Vanc Isl (assumed barcode aff glaphurus in 2020) GQ159774
Cortinarius Harrower164 cf turibulosus aff glaphurus WA iNat14233871 (2/0-2)
MT935095.1 C. glaphurus UK (type FR) official 2020 (matches very short type)
KX964356 C. paranomalus TYPE EU (=type glaphurus 2020)
C. tortuosus KX964406 WA (verified by Finns in 2020)
C. tortuosus EU (assumed barcode) AY669669
KX964309 C. dolabratus TYPE Swe
Cortinarius dolabratus BC (+WA CA) EU821665
KX964326 Cortinarius dolabratus WA
SDA047 Cortinarius truckeensis WA
C. truckeensis WA iNat21197671
C. truckeensis TYPE CA JQ937284
C. malachius BC (+WA) (2020 match to Fr type) GQ159867
MT935211.1 Cortinarius malachius TYPE EU
MT935480.1 Cortinarius suberi TYPE SWE
C. suberi (WA Swe type match) FJ717558
C. suberi BC (Swe type match) EU821680
MT935376 C. raphanoides WA in 2020
C. raphanoides SAT-09-315-08 (official barcode) OR
MT935374.1 Cortinarius raphanoides TYPE SWE
Cortinarius PNW28 F18927 Vancouver BC HQ604694 (5/1 raphanoides)
THAXTEROGASTER HARROWER5 (OUTGROUP)
C. wahkiacus NR 153062 TYPE WA
C. vinaceogrisescens NR 153061 TYPE WA
MT935322 C. privignipallens WA in 2020
MT935321 C. privignipallens OR in 2020
C. privignipallens TYPE Fin NR 131885
MT935317 C. privignatus WA in 2020
MT935315 C. privignatus TYPE Swe
C. alboambitus KC608576 TYPE WA
C. alboambitus Vancouver BC FJ717499
C. fillionii WA 1/0 FJ717583 (in 2020)
C. fillionii TYPE FR HQ845171
C. eldoradoensis Vanc Isl BC JQ906750
C. eldoradoensis TYPE CA JQ906746
Cortinarius PNW27 FJ039671 Boreal BC (unnamed in 2020)
Cortinarius PNW27 SDA504 iNat31091498 WA
C. sordidemaculatus Vancouver BC EF530931 (cited in type paper but 4/0)
C. sordidemaculatus OR iNat35718976
MT935442 C. sordidemaculatus WA (in 2020) 2/0
DQ139984 C. sordidemaculatus TYPE Fr
SDA663 Cortinarius sordidemaculatus iNat35219937 WA
C. anisatus BC (+Vancouver BC cited in paper) EU821677
MT935245 C. neofurvolaesus 1/0 WA (in 2020)
C. neofurvolaesus Vancouver BC FJ717540 1/2
DQ139999 C. neofurvolaesus TYPE Swe
C. neofurvolaesus iNat35219955 SDA662 1/0/1
C. neofurvolaesus 1/0 WA (cited in paper) KC608593
Cortinarius Harrower166a (aff traganus) (17/0 in LSU only) EU821656 SW Vanc Isl BC
MT935559 C. traganus f. ochraceus TYPE WA
C. traganus BC (+WA OR ID) FJ039568
C. traganus WA NAMA 2014 MP 3954619
MT935361 C. traganus TYPE SWE
C. phaeochrous Manning Park BC FJ717582 (0/0)
MT935297 C. phaeochrous TYPE Switz
C. subbalaustinus EU821669 SW BC (2020 Swe type match)
MT935464.1 Cortinarius subbalaustinus TYPE EU
SDA548 Cortinarius distortus WA
C. distortus (solis-occasus) and laniger (NAMA2014 MP3954499) (has Y=C(solis)+T(laniger) in crucial spot)
C. distortus OR iNat17258305
MT935021 C. distortus TYPE WA
MT935187 C. laniger TYPE Fin
C. laniger EU (official barcode but also distinct) UDB001162
C. distortus (official barcode) Boreal BC FJ039557
C. distortus 0/0/1n WA iNat33998568
C. distortus SDA632 iNat35264582 (morpho distinct)
Cortinarius distortus (solis-occasus) OR (0/0) (iNat 17478085)
C. distortus WA iNat13726023 2/1
C. laniger EU (official barcode) AF325592
C. laniger EU (official barcode but distinct) UDB000165
MT935273 C. Harrower 143 (aff pallidostriatus) WA in 2020
Cortinarius Harrower143 WA iNat146563541
C. Harrower143 (aff pallidostriatus) (Victoria in 2020) FJ039566.1
Cortinarius Harrower143 (duracinus complex) OR iNat 17477983
MT935268.1 Cortinarius pallidostriatus TYPE EU (short)
SDA778 Cortinarius Harrower143 (aff duracinus/pallidostriatus) long rooty TN09-150 WA
Cortinarius PNW22 SDA034 silver falls WA
Cortinarius aptecohaerens OR iNat99430968
C. aptecohaerens FJ717547 BC +WA +OR
C. athabascus TYPE CA JN133295 (=aptecohaerens)
MM10-21-21 C. aptecohaerens Raven Park (Joe)
Cortinarius aptecohaerens OR iNat35267108
MT934880 C. aptecohaerens TYPE FR
MH266408.1 Cortinarius aptecohaerens OR iNat66266367
C. aptecohaerens (BC) Type Fr match in 2020 EU821657
C. aptecohaerens iNat18456681 WA SDA399
C. bivelus unknown BC (cited in paper 1/0 type Swe) EF218747
C. bivelus TYPE Swe KP866159
C. piceidisjungendus NR 131840 TYPE WA
C. piceidisjungendus 2/0 FJ717528 BC
C. orasericeus (N Vanc Isl soil sample) EU057110.2
C. orasericeus TYPE FR NR 131846
C. californicus BC (100 cited in paper) (+OR) FJ039678.1
C. californicus TYPE CA JX114946 (Ns)
C. californicus (in 2020) FJ039679 BC 2/3 type
HQ604737 C. californicus BC
C. flammeouraceus (as aurantiomarginatus) WA (cited in paper) KX882638
C. flammeouraceus (cited in paper) WA MT112162
Cortinarius PWN41 WA /Uracei JoeA SCL17198
C. bridgei NR 153084 TYPE WA
SDA461 C. bridgei spring WA
C. bridgei 2/1 BC FJ717527
C. bridgei OR (1/0/2 type) iNat79176396
C. ahsii OR iNat79171786
SDA046 Cortinarius ahsii iNat9466765 WA
C. ahsii WA KX882647 (match type WY in paper)
C. ahsii OR iNat79170229
C. colymbadinus mid BC FJ553823
NR 131819.1 C. colymbadinus TYPE SWE
C. colymbadinus WA KC608592 (3/0 but in 2020)
SDA024 Cortinarius bridgei Snohomish WA iNat9379779 WA
SDA030A Cortinarius bridgei WA USA iNat165590450 WA
C. flavobasilis KX882667 WA (cited in type paper)
C. flavobasilis TYPE WY KX882664
C. nauseosouraceus NR 131828 TYPE WA
C. nauseosouraceus OR (in 2020) KC608584
Cortinarius PNW40 SDA636 WA iNat35264585
Cortinarius PNW40 F28452 KP406568 Vanc Isl BC (+EF218758 Interior)
Cortinarius PNW40 SDA398 iNat18457044 WA (2/2 F28452)


C. biformis 1/0 (was testaceofolius before 2020) WA FJ717503
MT934907 C. biformis TYPE SWE (dirty)
C. biformis Vancouver BC (2 chunks/2/4) FJ717572
MT934908 C. biformis 0-1/0 WA (in 2020)
C. armeniacus 100 S BC FJ717502
C. armeniacus WA iNat14946866
C. armeniacus MtHood SDA611 OR
C. armeniacus TYPE Swe DQ117925
Cortinarius Harrower160a (aff. alboviolaceus) Vancouver BC KP454023
C. caesioarmeniacus WA SDA405 purple telamonia iNat18424045
C. caesioarmeniacus TYPE NEWF KP137498
MT934857.1 Cortinarius alboviolaceus NEOTYPE EU
NR 170847.1 Cortinarius griseoviolaceus HOLOTYPE WA
SDA554 Cortinarius alboviolaceus WA
C. alboviolaceus BC (+ID) FJ717506
SDA664 Cortinarius alboviolaceus iNat35219922 WA
Cortinarius Harrower159c (substriatus s.l.) BC FJ717530 (1/0 type)
MT935531 Cortinarius Harrower159c (substriatus s.l.) (in 2020) WA
Cortinarius Harrower159c (substriatus s.l.) BC GQ159851
Cortinarius Harrower159c (substriatus s.l.) WA iNat 18083041
MT935530 C. substriatus WA (in 2020)
C. substriatus WA iNat15326087
MT935529 C. substriatus TYPE WA (matches short ITS1 subpurpureus TYPE WA)
SDA494 Cortinarius substriatus iNat31016559 WA
C. substriatus SDA005B BC iNat9292489
MT935518 C. subpurpureus TYPE WA (short ITS1)
SDA393 WA iNat18444274 Cortinarius substriatus
MT935532 Cortinarius Harrower159a (aff substriatus) WA (in 2020)
MW760188 Cortinarius Harrower159a (aff substriatus) OR JLF9033 iNat65563204
Cortinarius Harrower159b (aff substriatus) iNat 34607358
Cortinarius Harrower159b (aff. substriatus) KP406538 Vanc Isl BC
Cortinarius Harrower159b (aff substriatus) OR iNat68935544
Cortinarius Harrower159b SDA660 WA iNat35220024
SDA011 Cortinarius Harrower159b iNat9292493 WA
MW341325 Cortinarius PNW19 Telamonia sp. JLF8680 OR iNat49490183
PHLEGMACIUM CALLIMORPHUS (OUTGROUP)
C. cisqhale JF795387 TYPE CA (=OR)
C. ochropallens KF700241 TYPE WA
C. ochropallens boreal BC FJ039673
C. murinascens (BC) (cited in type paper) EF218750
KP866158.1 Cortinarius urbicus TYPE SWE
MT935018 C. diosmus WA (in 2020)
MT935017 C. diosmus TYPE Fr
C. brunneocalcarius OR cited in type paper EU525984.1
C. brunneocalcarius TYPE QUE JQ746602
C. miniatopus 0/0 MP 3954547 WA
C. miniatopus TYPE Fin MT935228
C. miniatopus BC (in 2020) FJ157129
C. subminiatus TYPE Fin MG136822 (1/0 miniatopus 506 A vs T but larger spores)
C. miniatopus Boreal BC (in 2020) FJ039535
C. miniatopus SDA569 WA iNat42648560 (allele)
Cortinarius Harrower137a (aff denigratus) GQ159820 Victoria BC
C. boulderensis DQ499466 TYPE WA
C. boulderensis boreal BC FJ039558 (in 2020)
C. politus KC608588 TYPE WA
C. imbutus 2/0 EU526857 Kamloops BC
C. imbutus TYPE Fin KX964498
C. stuntzii NR 153098 TYPE WA
C. saturninus WA KX964550 (1/0 type)
Cortinarius PNW39 Buck 114-116 WA
C. saturninus TYPE Swe KX964584
MT935383 Cortinarius PNW26 (aff roseivelatus) WA (2/0) (in 2020)
Cortinarius roseivelatus TYPE Fin (short) NR 131868
C. duboisensis NR 153057 TYPE WA
C. duboisensis WA Beug oak iNat98835344
MT934871 Cortinarius andreae (2/1) WA in 2020
MT934870 C. andreae TYPE Swe
C. brunneifolius WA SDA395 (2/1)
MT934926 C. brunneifolius 0/0 WA in 2020
C. brunneifolius TYPE Fin EU259284
C. brunneifolius WA 2/0 iNat18444276
C. saniosus TYPE SWE DQ102671
C. saniosus BC (in 2020) GQ159783
C. saniosus (official barcode complex) Vanc Isl FJ717577
C. aureovelatus TYPE Nor DQ102652
C. aureovelatus 1/1 Mary Vanc BC MF908461
iNat18458108 Cortinarius paludosaniosus WA SDA416
C. paludosaniosus MG136828 TYPE WA
C. paludosaniosus Seattle FJ717541
Cortinarius PNW18 HQ604730 Vancouver BC
Cortinarius PNW18 66747988 OR iNat
C americanus GQ398244 OR (+WA in 2020 matches type MI)
Cortinarius pulchellus OR alder iNat92068455 (4/0)
AF389155 Cortinarius pulchellus ENA (official barcode)
AY083192 Cortinarius pulchellus EU (official barcode)
Cortinarius Harrower117 FJ039534 (N BC MK)
Cortinarius Harrower117 FJ039534 GQ159913 Victoria (F17170 OC98)
MYSTERY WA iNat145670705
MT935430 C. semivestitus WA in 2020
NS2451 C. fulvoconicus WA Arb oak
C. fulvoconicus Victoria (1/1 official barcode) EU821655.1
AY669677 C. fulvoconicus Chile (type Arg) official barcode
Cortinarius Harrower142 Victoria GQ159824 (in 2020)
Cortinarius Harrower142d OR iNat147507545
Cortinarius Harrower142a Victoria (3/1 142 but distinct in 2020) GQ159816.1
Cortinarius Harrower142c Victoria (5/1 142a) GQ159823
Cortinarius Harrower142e CA iNat151795076
Cortinarius Harrower142b OR iNat147507710
MH266410 Cortinarius sp. OR iNat82591534
Cortinarius Harrower142d CA iNat145801464
C. tuolumnensis BC F17225 GQ159813 (in 2020)
C. gualalaensis OR JX501774
C. gualalaensis JX501775 type CA (2/3 type tuolumnensis)
C. gualalaensis 0/2 Victoria GQ159805
C. gualalaensis BC FJ039536 (in 2020 but 2/0-2 type and 2/0 type tuolumnensis w/ 1 shared)
SDA463 C. tuolumnensis spring WA
C. tuolumnensis JQ906762 TYPE CA
MW341309 Cortinarius PNW20 Telamonia iNat62090095 OR JLF8586 (dirty)
FN428988 C. decipiens TYPE Fr
MT935548 C. washingtonensis TYPE WA (dirty) = 1/1 decipiens type
C. atrocaeruleus TYPE Austria FN428992
Cortinarius Harrower141 (aff washingtonensis) (5/3) Vanc Isl FJ717566
C. atrocaeruleus 2/0 Victoria BC GQ159796 2/0
Cortinarius Harrower142 BC GQ159855 F17269 OC197 (in 2020)
C. albosericeus NR 153054 TYPE WA
C. albosericeus BC (in 2020) GQ159846
Cortinarius Harrower142a (in 2020) BC FJ039539 OC23
C. miwok BC (in 2020) FJ039540
C. miwok TYPE CA JQ906753
SDA457 C. miwok Chinook Pass WA spring
Cortinarius PNW23 (aff. fulvopaludosus) (3/2 incl. a long chunk) OR iNat136500688
Cortinarius Harrower135 (aff hirtus) WA SDA018 iNat9379580
Cortinarius Harrower135 (aff hirtus) EF218748 BC
Cortinarius Harrower135 (aff hirtus) (in 2020) FJ039552 OC13
Cortinarius Harrower135 (aff hirtus) (in 2020) FJ039548 OC24
MT935140 C. hirtus TYPE Czech
Cortinarius Harrower135 (aff hirtus) FJ717538 BC
MT935112 C. hemitrichoides Type Fr
MT935002 C. decipientoides TYPE Fr
Cortinarius Harrower135 (aff hirtus) (official barcode casimiri BC+WA) FJ039544
Cortinarius Harrower135 (aff hirtus) WA SDA407 iNat18424141
Cortinarius Harrower135 (aff hirtus) iNat 17967894 BTSP
Cortinarius PNW32 NS2449 WA
C. subpaleaceus Boreal BC (+WA in paper) (type Fin) (1/1-2 hemitrichus CA (type Swe)) FJ039560
NR 154868 Cortinarius fulvopaludosus HOLOTYPE EU
MT935199 Cortinarius luridis TYPE Fr
Cortinarius luridus WA iNat145547184
Cortinarius HarrowerPNW31 (aff hinnuleoarmillatus 5/4) Buck 271 13 WA MG739379
SDA767 Cortinarius luridus WA urban oak (+Buck) (0/0/5 type)
DQ499464 Cortinarius hinnuleoarmillatus TYPE Fr
DQ117926 C. hinnuleus TYPE Swe
C. hinnuleocervinus MG136827 TYPE CA (+WA in type paper)
C. badioflavidus NR 153055 type WA
MH266412 C. badioflavidus OR iNat65313836
2
C. boulderensis WA iNat17703130 ITS2
Cortinarius PNW21 OR iNat99673431
Cortinarius Harrower134a (/Verni) WA iNat180720855
Cortinarius Harrower134a 01MWB051822 WA (allele 1)
GQ159826 Cortinarius Harrower134a BC (unnamed in 2020 vernus II in barcode) (both alleles)
Cortinarius Harrower134a complex SDA464 WA
Cortinarius Harrower134a SDA1106.2 WA (allele 2)
Cortinarius Harrower134a OR iNat49470420
Cortinarius Harrower134a (unnamed in 2020 vernus II petroselinius in barcode) (Victoria BC) GQ159811 (both alleles)
Cortinarius Harrower134a complex (extra chunk others are missing) SDA1103 WA
Cortinarius Harrower134a complex (official barcode vernus III but may be a dirty II) (Trout Lake WA) FJ717497 (dirty ITS2 spot)
MT935543 C. tenebricus TYPE EU
C. vernus var. nevadavernus (official barcode) (=tenebricus) UDB002176 EU (type EU)
FN429009 C. vernus var. nevadaensis HOLOTYPE Spain (=tenebricus)
AY669690 C. vernus var. nevadavernus (official barcode) (=tenebricus) EU
Cortinarius Harrower134d (aff tenebricus 4-6 type) (Victoria BC) GQ159767
MT934866. C. ammophiloides TYPE EU (not in PNW yet)
Cortinarius Harrower134a complex (ITS1) SDA722 WA
MW341324 Cortinarius Harrower134a (ITS1) OR iNat49489440 JLF8675
MT935033 C. erythrinus var. russulisporus TYPE (=vernus cleaner sequence)
C. vernus TYPE Swe (dirty)
C. vernus (UBC campus birch) (dirty) KX236107
Cortinarius Harrower134e (aff. tenebricus) WA iNat179051605 (nanopore Q=58)
Cortinarius Harrower134e ID iNat169433720
MT935483 C. suberythrinus TYPE EU (=newer tenbricus)
Cortinarius Harrower134c WA SDA029
Cortinarius Harrower134c (Victoria BC) FJ039541 (unnamed in 2020)
MK949109 Cortinarius Harrower134c OR JLF4217 iNat61924329
C. vinaceobrunneus NR 153060 TYPE WA
C. vinaceobrunneus S Vanc Isl GQ159893


C. occidentalisagacitas 100 SW BC EU821662
C. neofallax TYPE Fr KF048129
C. occidentalisagacitas TYPE WA MT112152
C. sagacitas TYPE Fin NR 170027.1
SDA640 Cortinarius occidentalisagacitas iNat35264590 WA (0/0/2)
MT934973 C. cistopulchripes WA in 2020
MT934972 C. cistopulchripes TYPE Fr
Cortinarius Harrower121a (aff parvannulatus 3/2) Victoria BC FJ039553
Cortinarius parvannulatus s.l. 1/1 GQ159885 Vict BC
C. parvannulatus s.l. (2020) EU AY669664 (1/0 GQ159885 2/1 parvannulatus)
C. parvannulatus (official 2020) Swe+Green UDB001025
Cortinarius Harrower121b (aff parvannulatus) WA iNat31038374 SDA492
C. pseudofallax TYPE France NR 131831
Cortinarius PNW34 OR iNat34854798
C. helodes (in 2020) Boreal BC FJ039707
Cortinarius helodes OR iNat133723738
C. sphagnoravus MG136826 TYPE SWE (+WA noted in paper)
MT935074 C. fuscodiscus TYPE WA (short)
C fuscodiscus BC (+WA in 2020 but 1/1 short type) OC30 FJ039555
C. subtilior (type match Swi) S Vanc Isl FJ039542 +BCx2
Cortinarius Harrower122 (in 2020) Victoria BC GQ159878.1
MW341326 Cortinarius Harrower122 OR iNat49028702 JLF8692
C. ferrugineovelatus Victoria BC GQ159884 (in 2020 + type paper)
C. umbrinolens HQ604701 Vancouver BC 0/0 type
MT935572.1 Cortinarius umbrinolens TYPE UK
C. subexitiosus KP165574 TYPE WA
C. denigratus NR 153056 TYPE WA
C. denigratus Saltspring Isl GQ159815
Cortinarius Harrower136 Victoria BC GQ159818 in 2020
Cortinarius Harrower136a HQ604735 (Trout Lake WA Beug)
Cortinarius Harrower179 OR iNat24918206 /Hinnulei
Cortinarius Harrower179 OR iNat24965641 /Hinnulei
C. aavae Manning Park BC FJ717539 (cited in type paper)
C. aavae TYPE PQ JQ746601
Cortinarius PNW33 Beug 98224237 WA oak
C. roseobasilis NR 153059 TYPE WA
C. comptulus WA SDA642 iNat35261787 2/0
Cortinarius comptulus OR iNat99549037
SDA655 C. comptulus iNat35262775 WA
MP 3954573 WA Cortinarius comptulus
C. comptulus TYPE Swi MT934981
C comptulus FJ039543 (in 2020 0/0)
C. comptulus OR iNat35071376
NR 171325.1 Cortinarius epipurrus TYPE EU
SCL16990 Cortinarius Telamonia PNW46 (aff epipurrus)
Cortinarius Harrower129 OR iNat35169743 (1/1 paulus different 2/1 paululus)
NR 173901 C. paulus TYPE Fin
Cortinarius Harrower129 Victoria BC GQ159898 (1/1 paulus different 2/1 paululus)
NR 173900 C. paululus TYPE Fin
C. minusculus OR iNat 34758541
MK211177 C. minusculus TYPE Fin
NR 173839 C. catalanensis TYPE EU
Cortinarius PNW38 (aff. catalanensis 0/0-1 ITS1 3/1 ITS2) WA iNat125857297
C. nigrocuspidatus Moresby Isl (Haida) FJ039708 (official 2020)
MT935249.1 Cortinarius nigrocuspidatus TYPE CO (dirty)
C. nigrocuspidatus Buck 977 WA
Cortinarius PNW35 (aff nigrocuspidatus) 7/0 DQ097874 BC Interior
C. subobtusus (in 2020 close to type MI) GQ159883 BC + WA
C. subobtusus Victoria GQ159907.1
C. subobtusus (4/1000) GQ159849 Victoria
Cortinarius PNW36 (aff russulaespermus 5/0) EF218746 Interior BC
MT935404 C. russulaespermus TYPE Fr
Cortinarius PNW36 (aff russulaespermus 5/0) BTSP iNat35547519
Cortinarius PNW37 KP406539 Vanc Isl BC
MT935237 C. mucicola WA in 2020 (longer =CA)
MT935235 C. mucicola TYPE WA (very short)
C. lindstroemii WA MT112149
C. lindstroemii TYPE EU MT112146
C. lindstroemii FJ039709 Boreal BC
C. fagetorum Vanc Isl GQ159777 (0/0/1 type)
MT935037.1 Cortinarius fagetorum TYPE AUS
Cortinarius fagetorum 3/0 WA iNat146563109
C. fragrantissimus NR 153058 TYPE WA
Cortinarius PNW29 F28416 KP454013 Vancouver BC
NR 171322.1 Cortinarius desertorum TYPE EU (newer than fulvoconicus)
MT935458 C. subacutus TYPE WA (dirty) (=impolitus in 2020)
MT935152 C. impolitus TYPE MI
Cortinarius PNW30 GQ159914 (S. Vanc Isl)
MT935291 C. pelargoniostriatulus WA
MT935291 C. pelargoniostriatulus TYPE Fr
C. angelesianus (Vanc Isl 0/0 type) GQ159864.1
MT934873.1 Cortinarius angelesianus TYPE SWE
MT934890.1 Cortinarius atroalbus TYPE EU
MG136829.1 Cortinarius fuscoalbus TYPE EU
C. roseomyceliosus 0/0/2 Vanc Isl GQ159776
MT935387.1 Cortinarius roseomyceliosus TYPE EU
MT935387 C. roseomyceliosus TYPE France
C roseomyceliosus WA SDA805
MT935429 C. semivestitus TYPE SWE (short ITS1)
Cortinarius Harrower115a (5/1 heterodepressus 6/2 roseomyceliosus) WA iNat31038620 SDA497
C. depressus group UDB002291
C. depressus group UDB002234
C. depressus group UDB016059
C heterodepressus TYPE EU MG136830
MG136830 Cortinarius heterodepressus TYPE EU
MT935043.1 Cortinarius famatus TYPE EU
Cortinarius famatus (was depressus group) UDB017647
AY669687 Cortinarius atroalbus TYPE EU match (/Atroalbi)
Cortinarius atroalbus (was depressus group) UDB002292
Cortinarius lucorum WA iNat98352149
C. lucorum Victoria BC EU821673 (in 2020)
C. lucorum TYPE Nor KX964585
NR 120097 CORTINARIUS BRUNNEOTINCTUS (OUTGROUP)
0.050